

28. The addition of claim 1 which is selected from the group consisting of:
- a) fatty acid (linoleic/oleic (50:50) 24 parts by volume
C8-10 alcohol (2 EH-1) 8 parts by volume
5% aqueous ethanol, denatured
5 with methanol 32 parts by volume
ammonia 3.3 parts by volume
where the additive: fossil fuel ratio is 10:90 to 5:95; or
- b) fatty acid (linoleic/oleic (50:50) 16 parts by volume
C8-10 alcohol (2 EH-1) 16 parts by volume
10 5% aqueous ethanol, denatured
with methanol 32 parts by volume
ammonia 2.2 parts by volume
where the additive: fossil fuel ratio is 10:90 to 5:95
29. A method to determine the suitability of a composition as a useful
15 additive to a combustible fuel to improve combustion, which method comprises:
- a. combining first a fatty acid at ambient conditions with water in soluble alcohol;
- b. adding water soluble alcohol, water or combinations thereof; observing a cloudy mixture when water is added;
- 20 c. adding aqueous ammonia with low shear agitation with the production of mild heat of reaction and observing clearing of the mixture forming an emulsion; and
- d. adding the clear mixture of step (c) to diesel fuel observing a clear mixture of addition with (diesel fuel, with the proviso that if clearing doesn't occur in both step (c) and step (d) then the microemulsion formed by the additive/diesel fuel will
25 not be stable and will separate over time or at temperature below 0°C.